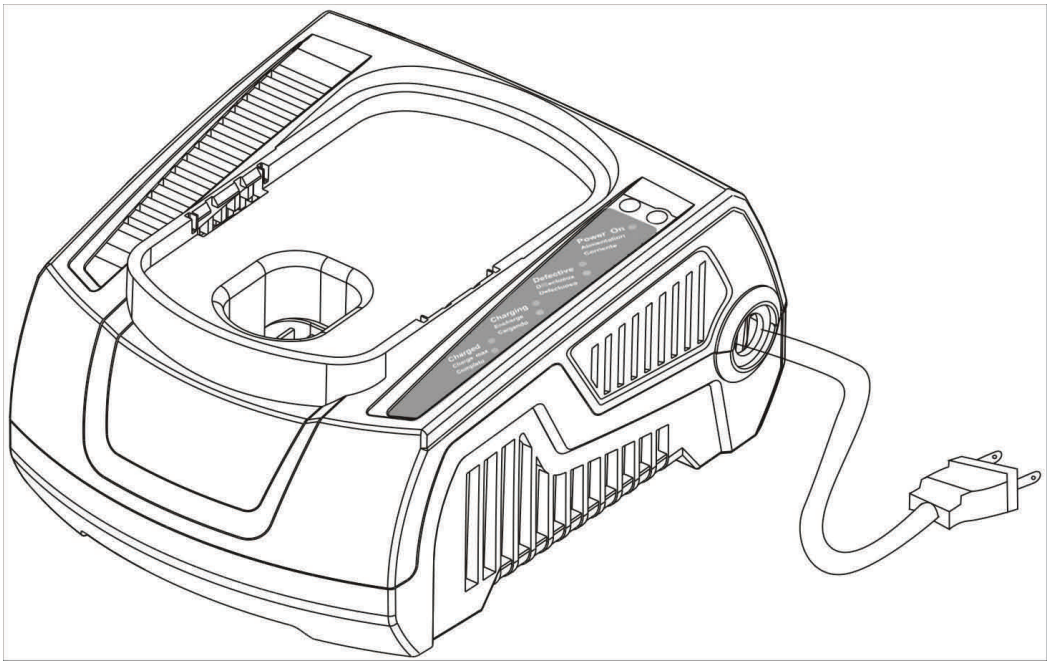
OPERATOR'S MANUAL
Model CHL91302
Battery Charger for use with
LITHIUM EARTHWISE™ Lithium-ion Battery Pack



SPECIFICATIONS:	
Model	CHL91302
Input	90-260 Volts, 47-63 Hz, AC Only – 63 Watts
Charging Voltage	18 Volt
Charging Current	3 Amperes
Net Weight	2.9 Lbs

THANK YOU FOR PURCHASING A LITHIUM EARTHWISE™ BATTERY CHARGER.

Your new battery charger has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.

⚠ **CAUTION:** Carefully read through this entire operator's manual before using your new battery charger.

Pay close attention to the Rules for Safe Operation, Warnings, and Cautions. If you use your battery charger properly and only for what it is intended, you will enjoy years of safe, reliable service.

SAVE THIS MANUAL FOR FUTURE REFERENCE

RULES FOR SAFE OPERATION

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and The explanations with them, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

SYMBOL	MEANING
⚠	**SAFETY ALERT SYMBOL:** Indicates danger, warning, or caution. May be used in conjunction with other symbols or pictographs.
⚠	**DANGER:** Failure to obey a safety warning will result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.
⚠	**WARNING:** Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.
⚠	**CAUTION:** Failure to obey a safety warning may result in property damage or personal injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.
NOTE:	Advises you of information or instructions vital to the operation or maintenance of the equipment.

⚠ WARNING:

Do not attempt to operate this battery charger until you have read thoroughly and understand completely all instructions, safety rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock, or serious personal injury. Save this operator's manual and review frequently for continuing safe operation, and instructing others who may use this battery charger.

IMPORTANT SAFETY INSTRUCTIONS FOR CHARGER

- **SAVE THESE INSTRUCTIONS.** This manual contains important safety and operating instructions for model CHL91302.
- Before using battery charger, read all instructions and cautionary markings on battery charger, and product using battery charger. Carefully read and understand these instructions and the Operator's Manual for the product using this charger.

⚠ WARNING:

To reduce risk of injury, charge only Lithium Earthwise™ 18V lithium-ion type rechargeable batteries. Other types of batteries may burst causing personal injury and damage.

- Do not expose charger to rain or snow or other wet conditions.
- Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
- To reduce risk of damage to charger body and cord, pull by plug body rather than cord when disconnecting charger.
- Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
  a. That pins on plug of extension cord are the same number, size and shape as those of plug on charger.
  b. That extension cord is properly wired and in good electrical condition; and
  c. That wire size is large enough for AC ampere rating of charger as specified below:

RECOMMENDED MINIMUM A.W.G. SIZE FOR EXTENSION CORDS FOR BATTERY CHARGERS

Ampere Rating (on face plate)	0 - 2.0	2.1 - 3.4
Cord Length (Feet)	Wire Size (A.W.G.)	
25’	16	16
50’	16	16
100’	16	16

NOTE: AWG = American Wire Gage

RULES FOR SAFE OPERATION

- **DO NOT OPERATE CHARGER WITH A DAMAGED CORD OR PLUG.** If damaged, call our customer service help line at 1-800-313-5111 for assistance.
- Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; call our customer service help line at 1-800-313-5111 for assistance..
- Do not disassemble charger; when service or repair is required call our customer service help line at 1-800-313-5111 for assistance.
- To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
- Do not use charger outdoors.
- Disconnect charger from power supply when not in use.

PRECAUTIONS REGARDING THE USE OF CHARGER AND BATTERY

- Do not charge battery when temperature is below 50°F or above 100°F.
- Never attempt to connect two chargers together.
- The charger is designed to operate on standard household electrical power. Do not attempt to use it on any other voltage.
- Do not insert foreign matter into the hole for the battery in charger.
- Do not charge by means of an engine generator or DC power source.
- Do not disassemble the battery.
- Do not store the tool and battery in locations where the temperature may reach or exceed 104°F (40°C) such as outside sheds or metal buildings in summer.
- Do not incinerate the battery, even if it is severely damaged or completely worn out. The battery may explode in fire.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets in your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.
- Do not short-circuit the battery.
- Do not discharge battery beyond normal use limits. Further discharging (such as by placing a rubber band on the trigger switch) can cause a deep discharge which may result in polarity reversal of a cell rendering the battery useless.

⚠ **WARNING:** The electrical cord on this product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

SAVE THESE INSTRUCTIONS

⚠ Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.

OPERATION

USE THIS BATTERY CHARGER ONLY WITH LITHIUM EARTHWISE™ 18V LITHIUM-ION BATTERY PACKS.

CHARGING BATTERY PACK

See Figures 1 & 2.

Battery packs are shipped in a low charge condition to prevent possible problems. Therefore, you should charge them prior to use.

NOTE: Batteries will not reach full charge the first time they are charged. Allow several cycles (operating tool followed by recharging batteries) for them to fully charge.

TO CHARGE

- Use this battery charger only with Lithium Earthwise™ 18V lithium-ion battery packs.
- Make sure power supply is normal house voltage, 120 volts, 60 Hz, AC only.
- Connect charger to power supply.

  One constant **GREEN** light indicates **POWER ON**.
- Place battery pack in charger aligning raised rib in charger with groove in battery pack.
- Press down on battery pack to be sure contacts on battery pack engage properly with charger contacts.
- Both charger lights will be illuminated.

  One constant **GREEN** light and one constant **RED** light indicates the battery is charging.

  One constant **GREEN** light and one **FLASHING RED** light indicates the battery is defective or the battery is the wrong type for this charger.
- Two constant **GREEN** lights indicate the battery is fully charged.
- After normal usage, 1 hour of charging time is required to be fully charged. A minimum charge time of 1-1/2 hours is required to recharge a completely discharged battery pack.
- The battery pack will become slightly warm to the touch while charging. This is normal and does not indicate a problem.
- **DO NOT** place charger in an area of extreme heat or cold. It will work best at normal room temperature.
- When the battery is fully charged, unplug your charger from power supply and remove the battery pack.

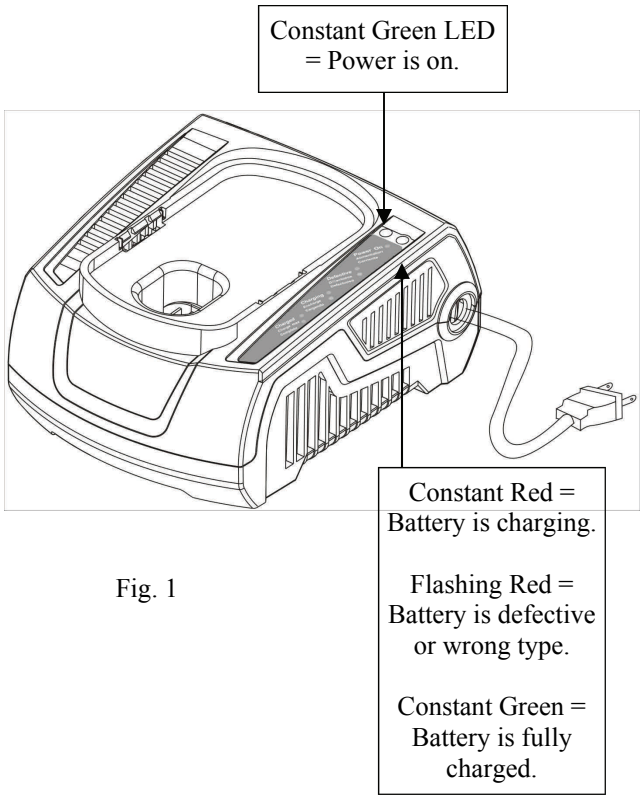


Fig. 1

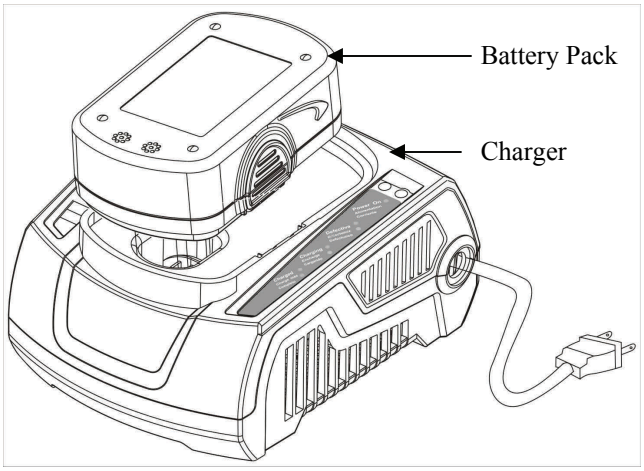


Fig. 2

OPERATION

IMPORTANT INFORMATION FOR RECHARGING HOT BATTERIES

When using a tool continuously, the battery pack will become hot. You should let a hot battery pack cool down for approximately 30 minutes before attempting to recharge.

NOTE: If the charger does not charge your battery pack under normal circumstances, please call our customer service help line at 1-800-313-5111 for assistance.

LED FUNCTION OF CHARGER

LEDS WILL BE LIGHTED TO INDICATE STATUS OF CHARGER AND BATTERY PACK:

- One constant Green LED = Power is on.
- One constant Green LED and one constant Red LED = Battery pack is charging.
- Two constant Green LEDs = Battery pack is fully charged.
- One constant Green LED and one Flashing Red LED = Defective battery pack or battery pack is the wrong type for the charger.

MAINTENANCE

⚠ WARNING:
When servicing, use only identical replacement parts. Use of any other part may create a hazard or cause product damage.

⚠ WARNING:
Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. come in contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.

DO NOT abuse power tools. Abusive practices can damage tools as well as the workplace.

⚠ WARNING:
Do not attempt to modify or create accessories not recommended for use with this charger. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

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• SERVICE

Now that you have purchased your charger, should a need ever exist for repair parts or service, simply contact us at 1-800-313-5111. Be sure to provide all pertinent facts when you call or visit.

• MODEL NUMBER

The model number will be found on a plate attached to the bottom of the housing.

- NAME OF ITEM BATTERY CHARGER
- MODEL NUMBER CHL91302
- SERIAL NUMBER _____

The Great States Corporation
American Lawn Mower Company
830 Webster Street
Shelbyville, IN 46176
Phone 1-800-313-5111
www.reelin.com/earthwise

In a continued commitment to improve quality, the Manufacturer reserves the right to make component changes or design changes when necessary.